



10-24-06

CJE

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Patent No.: 6,940,180
Issued: September 6, 2005

Application No.: 09/068,270
Filing Date: May 4, 1998

Applicant: Kenji Uchiyama

Group Art Unit: 2813
Examiner: Mitchell, James M

Title: SEMICONDUCTOR DEVICE CONNECTING
STRUCTURE, LIQUID CRYSTAL DISPLAY UNIT
BASED ON THE SAME CONNECTING STRUCTURE,
AND ELECTRONIC APPARATUS USING THE SAME
DISPLAY UNIT

Attorney Docket: 9319S-000062

Certificate

OCT 27 2006

of Correction

Mail Stop Decisions and Certificate of Correction Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

REQUEST FOR RECONSIDERATION FOR CERTIFICATE OF CORRECTION

Sir:

On October 13, 2006 the Office denied, in part, Applicant's request for a Certificate of Correction (copy enclosed). The Office is respectfully requested to reconsider this denial.

The denial letter (copy enclosed) stated that the "references were not previously considered". Apparently, the Office believes that the IDS in which these references were cited was not considered by the Examiner. This is in error. The enclosed copies

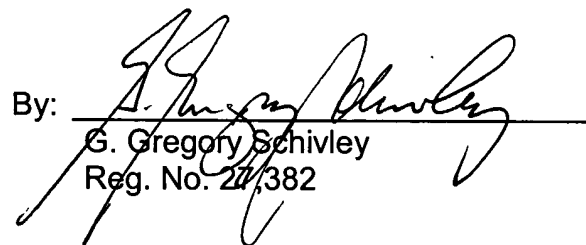
EV 757 778 180 US

of relevant documents from PAIR show that the IDS mailed on November 4, 1998 was, in fact, considered by the Examiner as noted by his initials "JMM" in the appropriate box adjacent the cited references on the Form 1449.

Therefore, please issue the Certificate of Correction as originally requested. If the Office believes that personal contact would be advantageous to the disposition of this issue, it is requested to call the undersigned at its earliest convenience.

Respectfully submitted,

Dated: Oct 23, 2006

By: 
G. Gregory Schivley
Reg. No. 27,382

HARNESS, DICKEY & PIERCE, P.L.C.
P.O. Box 828
Bloomfield Hills, Michigan 48303
(248) 641-1600

GGs/slm



**HARNESSES
DICKEY**

G. Gregory Schivley
schivley@hdp.com

April 21, 2006

COPY

Director of the United States Patent and Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450

Re: Atty Docket No. 9319S-000062
U.S. Patent No. 6,940,180 – Issued: September 6, 2005
Title: "SEMICONDUCTOR DEVICE CONNECTING STRUCTURE,
LIQUID CRYSTAL DISPLAY UNIT BASED ON THE SAME
CONNECTING STRUCTURE, AND ELECTRONIC
APPARATUS USING THE SAME DISPLAY UNIT"
Inventor: Kenji UCHIYAMA

Sir:

We have reviewed the above-indicated patent and have found several errors which appear to require a Certificate of Correction.

Enclosed herewith is an original and a copy of the Patent and Trademark Office Certificate of Correction form which we request be approved for the above-indicated patent.

There should be no charge for this Certificate of Correction since the errors were made by the PTO. However, if there are any fees that are due, please charge them to Epson R&D Deposit Account No. 50-3213.

Respectfully submitted,

By: _____

G. Gregory Schivley, Reg. No. 27,382
HARNESSES, DICKEY & PIERCE, P.L.C.
Attorneys for Patentee

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Director of the United States Patent and Trademark Office, P.O. Box 1450, Alexandria, Virginia 22213-1450 on April 21, 2006.

By _____

c: J0002850US01

Harness, Dickey & Pierce, P.L.C. Attorneys and Counselors

Metropolitan: Detroit, MI St. Louis, MO Washington, DC

5445 Corporate Drive, Suite 400, Troy, MI 48098

Phone 248.641.1600

Fax 248.641.0270

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO: 6,940,180

DATED: September 6, 2005

INVENTOR: Kenji Uchiyama

It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

Title Page, References cited: under U.S. PATENT DOCUMENTS insert

-- 4,604,644 (8/1986) Beckham et al. --

-- 5,187,123 (2/1993) Yoshida et al. --

-- 5,232,962 (8/1993) Dershem et al. --

under FOREIGN PATENT DOCUMENTS insert

-- EP 0 265 077 (1988) --

-- EP 0 517 071 A1 (1992) --

under OTHER PUBLICATIONS insert

-- Gilleo, K., "Direct Chip Interconnect Using Polymer Bonding", IEEE Transactions on Components, Hybrids and Manufacturing Technology, Vol 13, No. 1, 1 March 1990, pps 229-234 --

-- Jin, Sungho et al, "Anisotropically Conductive Polymer Films with a Uniform Dispersion of Particles", IEEE Transactions on Components, Hybrids and Manufacturing Technology, Vol. 16, No. 8, 1 December 1993, pps 972-977 --

MAILING ADDRESS OF SENDER: G. Gregory Shimley
Harness, Dickey & Pierce PLC
P.O. Box 828
Bloomfield Hills, MI 48303

PATENT NO. 6,940,180

No. of additional copies

 1

Page 1 of 2

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO: 6,940,180

DATED: September 6, 2005

INVENTOR: Kenji Uchiyama


It is certified that error appears in the above-identified patent and that said Letters Patent are hereby corrected as shown below:

| | |
|--------------------|---------------------------------|
| Abstract, Line 9: | Delete "a" |
| Column 1, Line 67: | "A" should be -- a -- |
| Column 2, Line 37: | "ahd" should be -- and -- |
| Column 9, Line 23: | "chance" should be -- change -- |

MAILING ADDRESS OF SENDER: G. Gregory Shivley
Harness, Dickey & Pierce PLC
P.O. Box 828
Bloomfield Hills, MI 48303

PATENT NO. 6,940,180

No. of additional copies

 1

Page 2 of 2

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

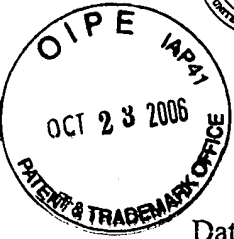
If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

93/95-000062

GBS
BEW



UNITED STATES PATENT AND TRADEMARK OFFICE



Commissioner for Patents
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450
www.uspto.gov

Date Mailed : October 13, 2006

Serial No. : 09/068270

Patent No. : 6,940,180 B1

Patent Issued : September 6, 2005

Title : SEMICONDUCTOR DEVICE CONNECTING STRUCTURE, LIQUID
CRYSTAL DISPLAY UNIT BASED ON THE SAME CONNECTING
STRUCTURE, AND ELECTRONIC APPARATUS USING THE SAME
DISPLAY UNIT

Re: Request for Certificate of Correction

Consideration has been given your request for the issuance of a certificate of correction for the above-identified patent.

Respecting the alleged error noted in your request, the additional references to the title page, should not be inserted except for EP 0517071 that was previously filed 7/5-01. The other references were not previously considered.

In view of the foregoing your request in this matter is hereby denied.

A certificate of correction will issue for the remaining error noted in your request.

Magdalene Talley
For Cecelia B. Newman, Supervisor
Decisions and Certificate
Of Correction Branch
(703)308-9390 ext. 116
Fax (571) 273-9751

Harness, Dickey & Pierce PLC
P.O. Box 828
Bloomfield Hills, MI 48303

CBN/mt



COPY

2822

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: 2822

Examiner: Potter

Serial No.: 09/068,270

Inventor(s): Kenji UCHIYAMA

Filed: May 4, 1998



SUPPLEMENTAL
INFORMATION
DISCLOSURE
STATEMENT

#9
1-9-00
Payton

For: SEMICONDUCTOR DEVICE CONNECTING STRUCTURE,
LIQUID CRYSTAL DISPLAY UNIT BASED ON THE
SAME CONNECTING STRUCTURE, AND ELECTRONIC
APPARATUS USING THE SAME DISPLAY UNIT

Attorney Docket: 9319S-000062

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

NOV 12 1999

TECHNOLOGY CENTER 2000

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on Nov 14, 1999

By [Signature]

Sir:

Pursuant to 37 C.F.R. 1.97 and 1.98, Applicant(s) hereby submit(s) an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS OR OTHER INFORMATION

The patents, publications or other information submitted for consideration by the Office (except U.S. patent applications) are listed on PTO-1449, attached hereto.

II. COPIES

a. X Submitted herewith is a legible copy of (i) each U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed, except that no copy of a U.S. patent application is included.

b. Any patents, publications or other information which are listed on PTO-1449 or on the copies of PTO-892 but which are not enclosed herewith were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. 120:

U.S. Serial Number

U.S. Filing Date

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

a. X Except as may be indicated below in (b), all of the patents, publications or other information are in the English language (concise explanation not required).

b. A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as follows:

c. The following additional information is provided for the Examiner's consideration.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) applications to the Examiner's attention, Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. § 122.

Serial No.

Filing Date

Art Unit

FEES

V. X THIS IDS IS BEING FILED UNDER 37 C.F.R. 1.97(b): (check one box)

a. within three months of the filing date of a national application (37 C.F.R. 1.97(b)(1)). No fee or certification is required.

b. within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. 1.97(b)(2)). No fee or certification is required.

c. X before the mailing date of a first Action on the merits (37 C.F.R. 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. 1397(c) and see

the certification under 37 C.F.R. 1.97(e) below, or, if no certification has been made, charge our deposit account a fee in the amount of \$200.00 as required by 37 C.F.R. 1.17(p).

VI. X THIS IDS IS ALTERNATIVELY BEING FILED UNDER 37 C.F.R. 1.97(c): (check one box)

before the mailing date of a Final Office Action under 37 C.F.R. 1.113 (See 37 C.F.R. 1.97(c)(1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. 1.311 (See 37 C.F.R. 1.97(c)(2)).

- a. No certification; therefore, a fee in the amount of \$230.00 is required by 37 C.F.R. 1.17(p).
- b. X See the certification below. No fee is required.

VII. CERTIFICATION UNDER 37 c.f.r. 1.97(e) (check only one box)

The undersigned hereby certifies that

- a. X each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- b. no item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this statement.
- c. Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned certified that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designate din 37 C.F.R. 1.56(c) ore than three months prior to the filing of this statement.

VIII. PAYMENT OF FEES (check one box)

 A check in the amount of \$230.00 is enclosed for the above-identified fee.

 Please charge Deposit Account No. 08-0750 in the amount of \$230.00 for the above-indicated fee. A triplicate copy of this paper is attached.

If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested

to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. 1.16 or 1.17 to Deposit Account No. 08-0750.

Respectfully submitted,

HARNESS, DICKEY & PIERCE, P.L.C.

By: 

G. Gregory Schwley
Reg. No. 27,382

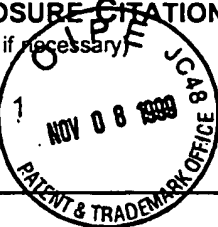
Enclosures: ☒ PTO-1449
☐ PTO-892
☐ References
☐ Foreign Search Report
☐ Fee
☐ Other:



FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION**
(Use several sheets if necessary)

Sheet 1 of 1



ATTORNEY DOCKET NO.

9319S-000062

SERIAL NO.

09/068,270

APPLICANT

Kenji UCHIYAMA

FILING DATE

May 4, 1998

GROUP

2822

U.S. PATENT DOCUMENTS

| Ref. Desig. | Examiner's Initials | Document Number | Date | Name | Class/ Subclass | (If appropriate) Filing Date |
|-------------|---------------------|-----------------|---------|---------------|-----------------|------------------------------|
| 1. | JMM | 4,604,644 | 08/1986 | Beckham et al | | |
| 2. | I | 5,187,123 | 02/1993 | Yoshida et al | | |
| 3. | I | 5,232,962 | 08/1993 | Dershem et al | | |

FOREIGN PATENT DOCUMENTS

| Ref. Desig. | Examiner's Initials | Document Number | Date | Country | Class/ Subclass | Translation | |
|-------------|---------------------|-----------------|------|------------------------|-----------------|-------------|----|
| | | | | | | Yes | No |
| 1. | JMM | 0 265 077 | 1988 | European Patent Office | | | |
| 2. | I | 0 517 071 A1 | 1992 | European Patent Office | | | |

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

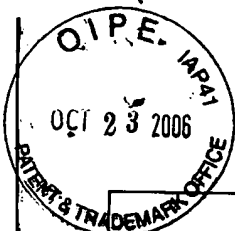
| Ref. Desig. | Examiner's Initials | |
|-------------|---------------------|--|
| 1. | JMM | Gilleo, K., "Direct Chip Interconnect Using Polymer Bonding", IEEE Transactions on Components, Hybrids and Manufacturing Technology, Vol 13, No. 1, 1 March 1990, pps 229-234. |
| 2. | I | Jin, Sungho et al, "Anisotropically Conductive Polymer Films with a Uniform Dispersion of Particles", IEEE Transactions on Components, Hybrids and Manufacturing Technology, Vol. 16, No. 8, 1 December 1993, pps 972-977. |

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

BEST AVAILABLE COPY



FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITATION**
(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET NO.

9319S-000062

SERIAL NO.

09/068,270

APPLICANT

Kenji UCHIYAMA

FILING DATE

May 4, 1998

GROUP

2822

U.S. PATENT DOCUMENTS

| Ref. Desig. | Examiner's Initials | Document Number | Date | Name | Class/ Subclass | (If appropriate) Filing Date |
|-------------|---------------------|-----------------|------|------|-----------------|------------------------------|
| 1. | | | | | | |

FOREIGN PATENT DOCUMENTS

| Ref. Desig. | Examiner's Initials | Document Number | Date | Country | Class/ Subclass | Translation | |
|-------------|---------------------|-----------------|------|---------|-----------------|------------------------------|----|
| | | | | | | Yes | No |
| 1. | JMM | 2-34951 | 1990 | Japan | | Yes (of red-marked portions) | |

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

| Ref. Desig. | Examiner's Initials | |
|-------------|---------------------|--|
| 1. | | |

RECEIVED

OCT 18 1999

TECHNOLOGY CENTER 2800

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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